



UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Hood et al.	)	
	)	
Application No. 09/930,788	)	Group Art Unit: 3626
	)	
Filed: August 15, 2001	)	Examiner: Frenel, Vanel
	)	
For: Customizable Handheld Computer	)	Attorney Ref. No.: 121.02
Data Collection and Report	)	
Generation Software	)	
	)	

***Rule 1.131 Declaration of Andrew D. Hood***

I, Andrew D. Hood, declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.

1. I am a joint inventor of the present application and have reviewed the application and all currently amended claims.
2. In late 2000 to early 2001, I worked with Jeffrey S. Sliwa to develop the above-captioned invention. Documentation of the development of the invention is recorded in Exhibit 5 and 6, and records of emails are attached hereto as Exhibit 4.
3. On January 11, 2001, I met with Daniel P. Maguire at his office at 423 E Street, Davis, California 95616. As of this meeting all claimed elements of the invention were completed and details fully commensurate with the scope of all currently amended claims were discussed.
4. On or about January 14, 2001 I sent to Maguire a written disclosure of the claimed invention. A true and correct copy of this agreement is attached hereto as Exhibit 1.
5. On or about January 26, 2001 I produced an early version of a marketing flyer to promote the claimed invention at trade show in Baltimore, Maryland. A true and correct copy of this document is attached hereto as Exhibit 2.
6. I am in possession of the original Executable computer files that are fully commensurate with the scope of all claims in question. These files are available on

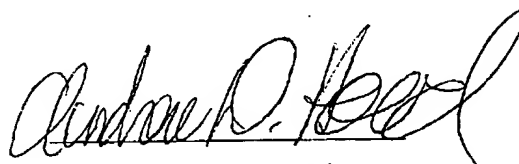
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my computer at 14500 Surrey Place, Pine Grove, California 95665 and were created prior to February 23, 2001.

Exhibit	Document Description	Date
1	Invention Disclosure	January 14, 2001
2	Field Saver Trade Show Flyer	January 26, 2001
3	Spreadsheet showing emails sent regarding invention	December 28, 2000 – February 25, 2001
4	Documentation of Invention Development 1	October 23, 2000 – March 26, 2001
5	Documentation of Invention Development 2	October 23, 2000 – March 26, 2001

Executed this 4th day of January, 2007 at Pine Grove, California

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. I understand that willful false statements and the like are punishable by fine or imprisonment or both, and may jeopardize the validity of the application or any patent issuing thereon.



Andrew D. Hood

**Draft for Patent Application of 'FieldSaver'**

January 14, 2001

**EXHIBIT** 1**1. PURPOSE OF PRODUCT**

- a. EMS electronic patient care record that can be created on handheld computers using the Windows CE operating system. Designed to have point of service handheld data entry. Data is used to develop a patient medical record, as well as maintain a database that can be used for research, billing and quality assurance.
- b. Sophisticated customizable/editable database that can produce proper sentences to develop a written report.

**2. UNIQUE FEATURES**

- a. **Customizable Database That Can Produce Proper Sentences:** Software is capable of having the end-user customize the lists in the database and also create/edit the heading 'labels', and the 'captions' that are associated with each list box. Formatting and grammatical options transform the database list choices, labels text, and captions text into intelligible sentences. You can create completely new screens and then assign navigation to the screen you just created. With the ability to create completely new screens and have the data reported as custom proper sentences, and then navigate to these screens, allows the end user to extensively customize and improve the data collection process and the report produced by it. Programming is in the Microsoft Windows CE operating system. This is the 'template manager' software. See diagram 1.
- b. **'Matrix' Template Design:** Specific design of matrix template. Allows a very flexible, powerful mechanism to pick a multitude of modifiers (physical signs, complaints of), for a multitude of objects (body parts). Similar to the other templates this template is end user editable. See diagram 2.
- c. **Flow' and Design of Product screens:** Design of screens and program layout specific for EMS documentation. To make the program user friendly extensive effort went into the categorization and presentation of screens, and database choices. Extensive research, trial and error, and expertise required to develop this system on a handheld computer.

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DIAGRAM 1. "Template Manager"

Instance Editor

Instance Title: HX-SYNCOPE Category: [v]

History of	Precedence
witnessed	dizziness
unwitnessed	palpitations
syncope event	no symptoms
nr. syncope event	light-headed
	diaphoresis
	SOB

Noted

LOC desc. as	unconscious
Event lasted	confused
With	unresponsive
Cardiac	obtunded
	staring spell

Up Down Delete

Copy List Clear List Paste List

List

Display: Text1 Print: Text1 ☐ Single Select

Add Item Replace

Caption

Display: [ ] ☐ Print Caption

Print: [ ] Separator ☐ End ☐

Replace/Save ☐ "and" precedes last selection

Label

Display: History of ☒ Print Label

Print: History of Separator ☐ End ☐

Replace/Save ☒ "and" precedes last selection

Cancel Exit

DIAGRAM 2. "Matrix" Template

Form1

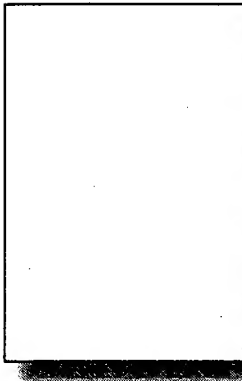
severe	moderate	mild pain	
lac.	abrasion	GSW	
R RUQ	RLQ	flank	Pelvic
L RUQ	RLQ	flank	Pelvic
Epigastric	suprapubic	Back	Diffuse
Noted		List1	
EBL			
Wound			
Desc. as			
With			
Radiates to			
!			
TR	MVA	abd.	

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# Field\*Saver

## *Advanced EMS Documentation*

*Using technology that is finally powerful enough and extensive design by paramedics and EMS base physicians Circle H Software has produced Field\*Saver. The first EMS electronic charting system that produces an excellent chart, that is fast, intuitive and customizable.*



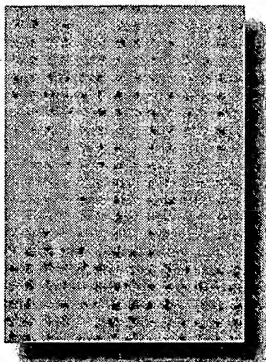
### **SOPHISTICATED ELECTRONIC REPORTS**

- Handheld computer with over 200 diseases and conditions
- Selects the most appropriate combination of screens for each condition and prompts for complete exams and accurate documentation
- Typed reports in an improved format
- Ensures protocols are followed, decreases medical and documentation errors and deficiencies



### **FAST ? EASY INTERFACE**

- Bright color handheld computer fits in your pocket, easy to carry and use
- Intuitive screen layout and navigation makes it easy to use without extensive orientation.
- Program leads you through an exam
- Statistical information, address, times can be entered before patient contact saving time. Information can be done at the bedside, "documenting as you go" to save time and be more complete



### **CUSTOMIZABLE**

- Your exam and documentation affect your care and reimbursement. Now you can improve these by customizing the screens to guide your personal through an exam, documenting ? as the go.
- Changing protocols, medical standards, medication changes, and reimbursement issues can be continually upgraded and improved without difficulty or cost.

**EXHIBIT** 2

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**Legend:**

tm = template manager

vb = FieldSaver Visual Basic Program

mdb = Microsoft Access Database

ebv = embedded visual basic

DATE	FROM	TO	ATTACHMENT	NOTES
12/28/00	Drew Hood	Jeff Sliwa	database	Sent Jeff the access database we use
1/9/01	Drew Hood	Jeff Sliwa	ebv	visual basic files- used by me to create screen mockups of the handheld screens
1/13/01	Drew Hood	Jeff Sliwa	ebv & vb	Screen mock up updates(ebv files) & back end server mock ups (vb)
1/19/01	Drew Hood	Dan Maguire	patent doc	This contains the 'patentdocument' that you have
1/19/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
1/19/01	Drew Hood	Dan Maguire	patent doc	Repeat email to Dan with the patent document again
1/21/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
1/21/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates (another one)
1/22/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
1/24/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
				Letter to compaq computer rep advising of "We have designed and will be previewing on March 14th, an EMS (ambulance) electronic charting system on the windows CE platform, specifically using the ipaq 3650. Our system will require 2 handhelds on each ambulance that will connect through Ethernet to a hospital (destination) based PC. I am looking for contacts within your company to set up a business account and hopefully form strategic alliances. Any help or information you have would be gretly appreciated. Thank you very muchfor oyou time."
1/31/01	Drew Hood	Compaq rep	letter	
2/4/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
				Letter to Allen Brand PR firm. Contains a draft of what one of our "pcr" (patient care reports) looks like. Also refers to 'interviewing a new programmer Monday'
2/4/01	Drew Hood	Allen Brand	letter	
2/10/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
2/11/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
2/12/01	Drew Hood	Jeff Sliwa	mdb	database file with my updates
2/19/01	Drew Hood	Jeff Sliwa	ebv & vb	Screen mock up updates(ebv files) & back end server mock ups (vb)
12/28/00	Jeff Sliwa	Drew Hood	tm	template manager program attached
12/29/00	Jeff Sliwa	Drew Hood	tm	template manager program attached
1/4/01	Jeff Sliwa	Drew Hood	tm	template manager program attached
1/5/01	Jeff Sliwa	Drew Hood	mdb,tm, template	Attached the database, new tm, templatedisplay.vb file
1/7/01	Jeff Sliwa	Drew Hood	template displ	template display attached
1/10/01	Jeff Sliwa	Drew Hood	vb,mdb,tm	Attached the database, new tm, templatedisplay.vb file
1/19/01	Jeff Sliwa	Drew Hood	vb,mdb,tm	Attached the database, new tm, templatedisplay.vb file
1/19/01	Jeff Sliwa	Drew Hood	tm	new tm
1/21/01	Jeff Sliwa	Drew Hood	tm, mdb	database and tm
1/24/01	Jeff Sliwa	Drew Hood	tm,vb	tm & pc backend program
2/7/01	Jeff Sliwa	Leeor cc'ed to me	letters	email cc of contact with 'Leeora Genova' who was doing consulting programming work
2/9/01	Jeff Sliwa	Drew Hood	tm	
2/10/01	Jeff Sliwa	Leeor cc'ed to me	contract	contract to Leeor who did programming for us
2/20/01	Jeff Sliwa	Leeor cc'ed to me	none	(leeor was a 'kid' who did programming for us
2/22/01	Jeff Sliwa	Tom Clair	none	Contact for Tom Clair
2/25/01	Jeff Sliwa	Tom Clair	none	DataMap of our database layout in xls

3  
**EXHIBIT**

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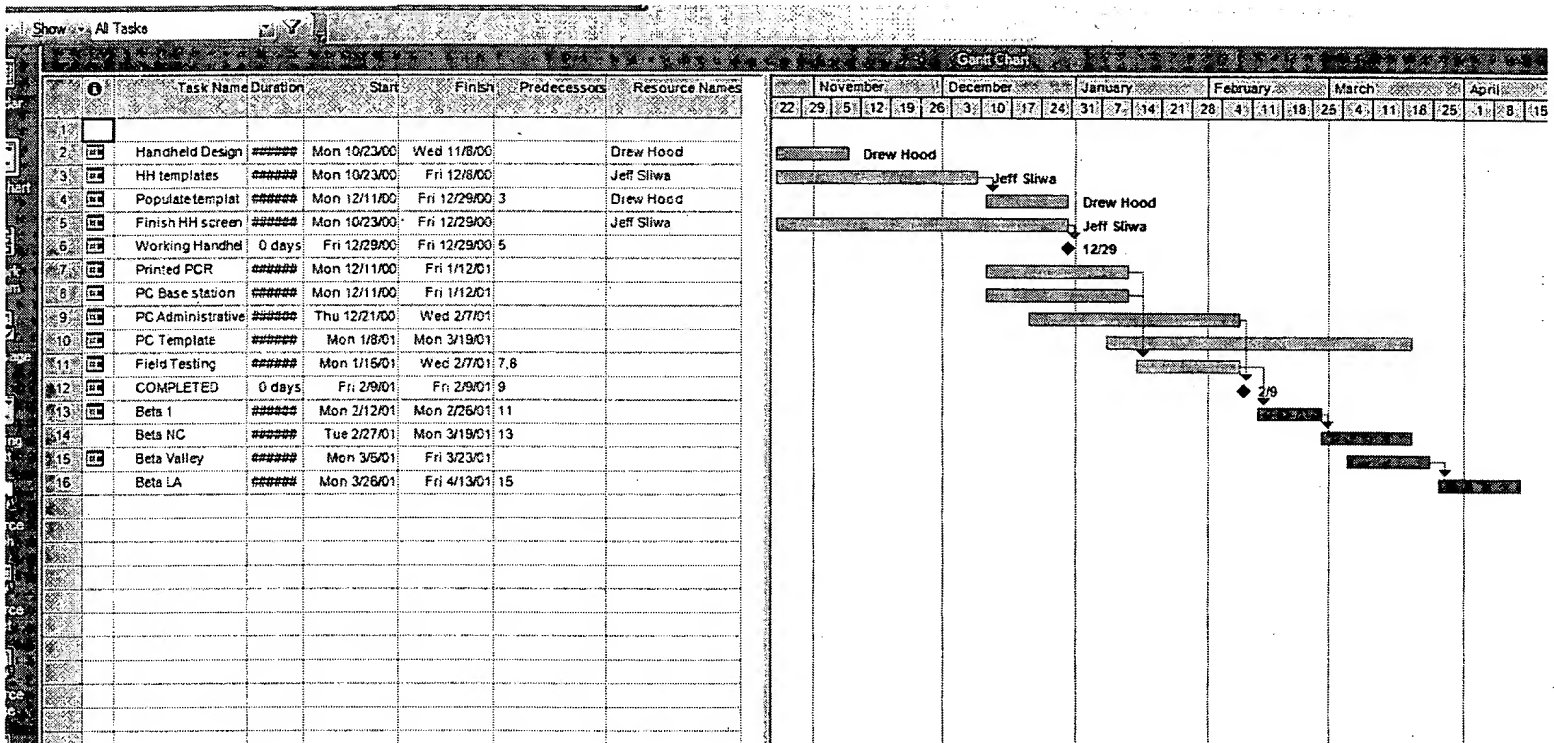
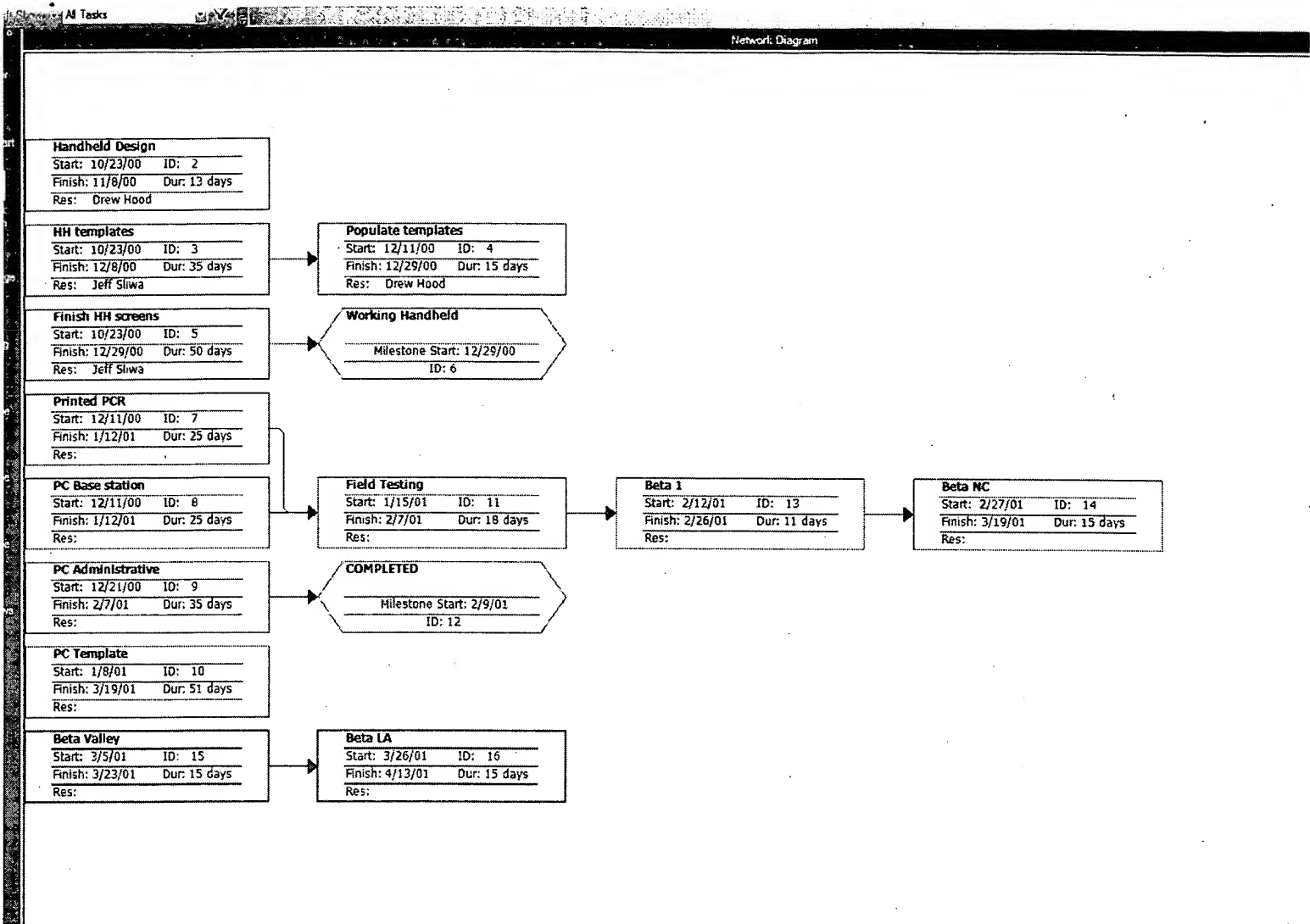


EXHIBIT 4

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**EXHIBIT 5**

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